

October 20, 2020

Mr. Gregory Murrill
Division Administrator
Attn: Dr. Kwame Arhin
Federal Highway Administration
Maryland Division
George H. Fallon Federal Building
31 Hopkins Plaza, Suite 1520
Baltimore MD 21201

Ms. Terry Garcia Crews
Regional Administrator
Attn: Mr. Ryan Long
Federal Transit Administration, Region III
1835 Market Street, Suite 1910
Philadelphia PA 19103

Dear Mr. Murrill and Ms. Crews:

The Maryland Department of Transportation (MDOT) hereby amends the Fiscal Year (FY) 2019-2022 Maryland Statewide Transportation Improvement Program (STIP) to amend a project in the Baltimore Regional Transportation Planning Board (BRTB) FY 2021-2024 Transportation Improvement Program (TIP). The BRTB approved the amendment to its TIP on September 22, 2020.

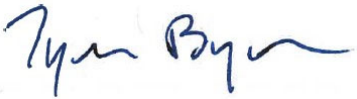
The MDOT has designated Control #19-81 for this amendment to the STIP. The approvals and supporting documentation are attached.

Project Name	STIP #	TIP #	Funding Source	FY19-FY22 Net Federal Change (in 000's)
Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements	12-1218-07	12-1218-07	STBG	\$0

Mr. Gregory Murrill
Ms. Terry Garcia Crews
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The Maryland Statewide Transportation Improvement Program continues to be fiscally constrained. Should you have additional questions or concerns, please contact Mr. Dan Janousek at 410-865-1098, toll free 888-713-1414 or via e-mail at ibeam@mdot.state.md.us. Of course, please feel free to contact me directly.

Sincerely,

A handwritten signature in blue ink that reads "Tyson Byrne". The signature is fluid and cursive, with the first name "Tyson" being more prominent than the last name "Byrne".

Tyson Byrne
Regional Planning Manager
Office of Planning and Capital Programming

Attachment

cc: Mr. Dan Janousek, Regional Planner, OPCP, MDOT

MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP #12-1218-07

SUMMARY TABLE

Project	Amendment Criteria	Conformity Status	Environmental Status	Current Funding Level (000s)		
				Federal	State/Local	Total
Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements: TIP Project #12-1218-07	B,D	Exempt	n/a	\$ 13,680	\$ 3,420	\$ 17,100
	Administration Baltimore City	Area/MPO BRTB	CTP Page 131-132	Net Funding Change (000s)		
				Federal	State/Local	Total
				\$ -	\$ -	\$ -
Description	Intelligent Transportation System (ITS) related work includes but is not limited to: traffic signal system integration, traffic surveillance camera expansion, traffic signal replacement and upgrade, fiber optic connections, variable message signs, and traffic detector upgrade, including geometric improvement of intersections. Projects included in this TIP ID are: CCTV and signal rewiring citywide, installation of fiber optic and copper communications citywide, ITS deployment and upgrades citywide, geometric improvements at multiple intersections, and traffic signal reconstruction.					
Justification	This amendment shifts FY 2021 funding from the construction phase to the planning and engineering phases. Construction funds decrease by a total of \$4.5 million (\$3.6 million federal STBG/\$900,000 matching). Planning funds increase by \$1.575 million (\$1.26 million federal STBG/\$315,000 matching) and engineering funds increase by \$2.925 million (\$2.34 million federal STBG/\$585,000 matching). The total amount of funding in the project remains unchanged. The funds shifted to the engineering and planning phases will be utilized for the traffic signal timing optimization project.					

INDIVIDUAL REQUEST FORM

STIP/TIP Amendment Criteria	Current (000s)	Funding		FY 2019	FY 2020	FY 2021	FY 2022	Total	
		Total	Federal	State/Local	Total	Federal	State/Local	Total	
<input type="checkbox"/> A) Adds new individual projects to the current STIP <input checked="" type="checkbox"/> B) Increase/decrease, scope change, advance, delay, or phase change <input type="checkbox"/> C) Removes or deletes individual listed project from the STIP <input checked="" type="checkbox"/> D) Other (Increases Mobility, Conserve and Enhance the Environment)		Total	Federal	State/Local	\$ -	\$ -	\$ 17,100	\$ -	\$ 17,100
					\$ -	\$ -	\$ 13,680	\$ -	\$ 13,680
		Total	Federal	State/Local	\$ -	\$ -	\$ 17,100	\$ -	\$ 17,100
					\$ -	\$ -	\$ 13,680	\$ -	\$ 13,680
		Total	Federal	State/Local	\$ -	\$ -	\$ -	\$ -	\$ -
					\$ -	\$ -	\$ -	\$ -	\$ -



PHASE DETAIL

Current		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ 13,680	\$ 3,420	\$ -	\$ -	\$ 13,680	\$ 3,420	\$ 17,100
Other		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ 13,680	\$ 3,420	\$ -	\$ -	\$ 13,680	\$ 3,420	\$ 17,100

Proposed		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ 1,260	\$ 315	\$ -	\$ -	\$ 1,260	\$ 315	\$ 1,575
PE		\$ -	\$ -	\$ -	\$ -	\$ 2,340	\$ 585	\$ -	\$ -	\$ 2,340	\$ 585	\$ 2,925
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ 10,080	\$ 2,520	\$ -	\$ -	\$ 10,080	\$ 2,520	\$ 12,600
Other		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ 13,680	\$ 3,420	\$ -	\$ -	\$ 13,680	\$ 3,420	\$ 17,100

Change		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ 1,260	\$ 315	\$ -	\$ -	\$ 1,260	\$ 315	\$ 1,575
PE		\$ -	\$ -	\$ -	\$ -	\$ 2,340	\$ 585	\$ -	\$ -	\$ 2,340	\$ 585	\$ 2,925
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ (3,600)	\$ (900)	\$ -	\$ -	\$ (3,600)	\$ (900)	\$ (4,500)
Other		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

TOTAL PROJECT COST

Prior Cost (≤ FY 2018)		STIP Cost (FY 2019-2022)		Balance to Complete (≥ FY 2023)		Total Project Cost	
		Federal	State/Local	Federal	State/Local	Federal	State/Local
Federal	\$ -	\$ -	\$ 13,680	\$ -	\$ -	\$ -	\$ 13,680
State/Local	\$ -	\$ -	\$ 3,420	\$ -	\$ -	\$ -	\$ 3,420
Total	\$ -	\$ -	\$ 17,100	\$ -	\$ -	\$ -	\$ 17,100



September 25, 2020

Ms. Heather Murphy
Office of Planning & Capital Programming
Attn: Mr. Dan Janousek
Maryland Department of Transportation
7201 Corporate Center Drive
Hanover, MD 21076-1415

Dear Ms. Murphy:

Enclosed is one amendment to the *2021-2024 Baltimore Region Transportation Improvement Program (TIP)* as approved by the Baltimore Regional Transportation Board (BRTB) on September 22, 2020. The BRTB approved the *2021-2024 TIP* at its meeting on August 25, 2020. Since federal agencies have not yet approved the *2021-2024 TIP* and the associated conformity determination, we ask that you consider this amendment to the *2021-2024 TIP* at the appropriate time.

The documentation enclosed supports changes to the *2021-2024 TIP* for one Baltimore City project:

- **Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements: 12-1218-07**

The amendment was presented to the Technical Committee on September 1, 2020. In addition, the Interagency Consultation Group has determined that the project is exempt from the requirement to determine conformity according to the Conformity Rule.

Baltimore City has affirmed that fiscal constraint for their program of projects remains intact and has made a commitment to the match required.

Pursuant to the prescribed TIP amendment process MOU signed in 2014, the BRTB approved Resolution #21-8 to support this change to the *2021-2024 TIP*.



If you have any questions, please feel free to call me.

Sincerely,

Todd R. Lang, Director
Transportation Planning

Enclosures

cc: Mr. Bimal Devokta, BCDOT
Mr. Dharendra Sinha, BCDOT
Mr. Manmohan Singh, BCDOT
Mr. Raj Sharma, BCDOT
Mr. Graham Young, BCDOT

Summary of 2021-2024 TIP Changes

Project Title	TIP Change Reason	Description	Type of Change
Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements: 12-1218-07	This amendment shifts FY 2021 funding from the construction phase to the planning and engineering phases. Construction funds decrease by a total of \$4.5 million (\$3.6 million federal STBG/\$900,000 matching). Planning funds increase by \$1.575 million (\$1.26 million federal STBG/\$315,000 matching) and engineering funds increase by \$2.925 million (\$2.34 million federal STBG/\$585,000 matching). The total amount of funding in the project remains unchanged. The funds shifted to the engineering and planning phases will be utilized for the traffic signal timing optimization project.	Intelligent Transportation System (ITS) related work includes but is not limited to: traffic signal system integration, traffic signal timing optimization, traffic surveillance camera expansion, traffic signal replacement and upgrade, fiber optic connections, variable message signs, and traffic detector upgrade, including geometric improvement of intersections. Projects included in this TIP ID are: CCTV and signal rewiring citywide, installation of fiber optic and copper communications citywide, ITS deployment and upgrades citywide, geometric improvements at multiple intersections, traffic signal reconstruction, and traffic signal timing optimization. Engineering funds were included in FY 2019. FY 2021 planning and engineering funds are for the traffic signal timing optimization project. Conformity Status: Exempt	Amendment

BALTIMORE METROPOLITAN PLANNING ORGANIZATION

**BALTIMORE REGIONAL TRANSPORTATION BOARD
RESOLUTION #21-8**

**AMENDMENT TO THE 2021 – 2024 BALTIMORE REGION
TRANSPORTATION IMPROVEMENT PROGRAM**

WHEREAS, the Baltimore Regional Transportation Board is the designated Metropolitan Planning Organization for the Baltimore region, encompassing the Baltimore Urbanized Area, and includes official representatives of the cities of Annapolis and Baltimore, the counties of Anne Arundel, Baltimore, Carroll, Harford, Howard, and Queen Anne’s as well as representatives of the Maryland Department of Transportation, the Maryland Department of the Environment, the Maryland Department of Planning, the Maryland Transit Administration, and Harford Transit; and

***WHEREAS**, the Baltimore Regional Transportation Board, as the Metropolitan Planning Organization for the Baltimore region, approved the 2021-2024 Transportation Improvement Program for the Baltimore region at its August 25, 2020 meeting, with federal approval anticipated in September, 2020; and*

WHEREAS, federal regulations require that all transportation-related projects must be listed in the approved Transportation Improvement Program with accurate funding schedules in order to be eligible for federal funding; and

WHEREAS, the Transportation Improvement Program consists of projects included in, and in support of, the region's long-range transportation plan and ongoing short-range planning efforts; and

WHEREAS, Baltimore City has requested approval of an amendment to the 2021-2024 Transportation Improvement Program through the approved Transportation Improvement Program amendment process; and

WHEREAS, Baltimore City is requesting to shift funds from the construction phase to the planning and engineering phases for the Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements project. The shifted funds will be used for a traffic signal timing optimization project (see attachment); and

WHEREAS, the Transportation Improvement Program, as amended, continues to display financial reasonableness and re-affirms the appropriate project selection criteria whereby all requirements for a Transportation Improvement Program in the Fixing America’s Surface Transportation Act are met; and

WHEREAS, this project is consistent with the federal emphasis on performance-based planning and programming, specifically the federal requirements pertaining to reducing emissions and annual hours of peak-hour excessive delay; and

WHEREAS, the Interagency Consultation Group has determined that this project is exempt according to the Conformity Rule (40 CFR Parts 51 and 93); and

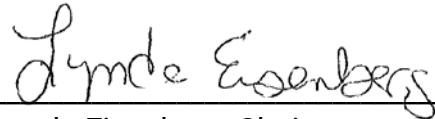
WHEREAS, the proposed Transportation Improvement Program amendment was presented to the Technical Committee on September 1, 2020.

NOW, THEREFORE, BE IT RESOLVED that the Baltimore Regional Transportation Board, as the Metropolitan Planning Organization for the Baltimore region, approves the attached amendment to the 2021-2024 Transportation Improvement Program for the Baltimore region and finds it to conform to the applicable Maryland State Implementation Plan and requirements of the 1990 Clean Air Act Amendments.

I HEREBY CERTIFY that the Baltimore Regional Transportation Board as the Metropolitan Planning Organization for the Baltimore region approved the aforementioned resolution on September 22, 2020.

9-22-2020

Date



Lynda Eisenberg, Chair
Baltimore Regional Transportation Board

Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements

TIP ID	12-1218-07	Year of Operation	Ongoing
Agency	Baltimore City	Project Type	ITS
Project Category	Emission Reduction Strategy	Functional Class	NA
Conformity Status	Exempt	Physical Data	NA
CIP or CTP ID(s)	512-077, 512-078, 512-080, 512-009	Est. Total Cost	\$17,100,000

Description:

Intelligent Transportation System (ITS) related work includes but is not limited to: traffic signal system integration, traffic signal timing optimization, traffic surveillance camera expansion, traffic signal replacement and upgrade, fiber optic connections, variable message signs, and traffic detector upgrade, including geometric improvement of intersections. Projects included in this TIP ID are: CCTV and signal rewiring citywide, installation of fiber optic and copper communications citywide, ITS deployment and upgrades citywide, geometric improvements at multiple intersections, traffic signal reconstruction, and traffic signal timing optimization. Engineering funds were included in FY 2019. FY 2021 planning and engineering funds are for the traffic signal timing optimization project.

Justification:

It is necessary to upgrade the aging infrastructure of traffic signals and ITS devices to reduce congestion and delays, distribute traffic volumes through the roadway network, and improve the safety of motorists and pedestrians.

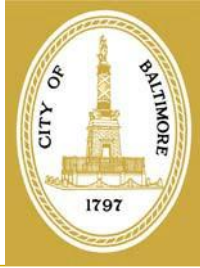
Amendment: This amendment shifts FY 2021 funding from the construction phase to the planning and engineering phases. Construction funds decrease by a total of \$4.5 million (\$3.6 million federal STBG/\$900,000 matching). Planning funds increase by \$1.575 million (\$1.26 million federal STBG/\$315,000 matching) and engineering funds increase by \$2.925 million (\$2.34 million federal STBG/\$585,000 matching). The total amount of funding in the project remains unchanged. The funds shifted to the engineering and planning phases will be utilized for the traffic signal timing optimization project.

Connection to Long-Range Transportation Planning Goals:

- 2.B Improve and Maintain the Existing Infrastructure -- Replace traffic signals and ITS elements.
- 4.D Increase Mobility -- Apply mobility-related management and operations techniques.
- 5.D Conserve and Enhance the Environment -- Reduce greenhouse gas emissions in accordance with state and local sustainability and climate change plans.



CITY OF BALTIMORE
BERNARD C. "JACK" YOUNG, Mayor



DEPARTMENT OF TRANSPORTATION
Steve Sharkey, Director
417 E. Fayette Street, 5th Floor
Baltimore, Maryland 21202

August 26, 2020

Mr. Todd R. Lang, Director
Transportation Planning
Baltimore Metropolitan Council
1500 Whetstone Way, Suite 300
Baltimore, MD 21230

Attn: Ms. Regina Aris

Re: **Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements (FY 2021-2024), TIP. ID. 12-1218-07 – Amendment Request**
Agency: Baltimore City, DOT

Dear Mr. Lang,

The Baltimore City Department of Transportation (BCDOT) is requesting an amendment to the FY2021-FY2024 TIP for the following project:

Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements (12-1218-07)
– The amendment shifts a portion of the funding for this active project in the FY 2021-2024 TIP. The amendment shifts funds in the amount of \$ 2,340,000 federal and \$585,000 matching from the construction phase in FY 2021 to the engineering phase in FY 2021 and shifts funds in the amount of \$ 1,260,000 federal and \$315,000 matching from the construction phase in FY 2021 to the Planning phase in FY 2021. The funds shifted to the engineering phase and planning phase will be utilized for the **Traffic Signal Timing Optimization** project, which is included under this TIP ID.

There is no change to the total amount of funding for this ongoing project and Baltimore City's 2021-2024 TIP projects remain fiscally constrained. The traffic signal timing optimization project utilizes federal Surface Transportation Block Grant program funds and HUR funds for the project match.

The revised TIP forms for this project are attached.

If you have any questions or need additional information, please feel free to contact Mr. Raj Sharma at 410-396-9029/443-452-7475 or raj.sharma@baltimorecity.gov.

Sincerely,

Charles C. Baker ^{DTSW}

Charles C. Baker, Chief
Traffic Division

Attachments : TIP Sheets (TIP ID 12-1218-07)

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Cc: Bimal Devkota, P.E.
Dhirendra Sinha
Manmohan Singh
Raj Sharma
Graham Young

Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements

TIP ID	12-1218-07	Year of Operation	Ongoing
Agency	Baltimore City	Project Type	ITS
Project Category	Emission Reduction Strategy	Functional Class	NA
Conformity Status	Exempt	Physical Data	NA
CIP or CTP ID(s)	512-077, 512-078, 512-080, 512-009	Est. Total Cost	\$17,100,000

Description: *traffic signal timing optimization*

Intelligent Transportation System (ITS) related work includes but is not limited to: traffic signal system integration, traffic surveillance camera expansion, traffic signal replacement and upgrade, fiber optic connections, variable message signs, and traffic detector upgrade, including geometric improvement of intersections. Projects included in this TIP ID are: CCTV and signal rewiring citywide, installation of fiber optic and copper communications citywide, ITS deployment and upgrades citywide, geometric improvements at multiple intersections, and traffic signal reconstruction.

Engineering funds were included in FY 2019, *Fy 2021*

Justification:

It is necessary to upgrade the aging infrastructure of traffic signals and ITS devices to reduce congestion and delays, distribute traffic volumes through the roadway network, and improve the safety of motorists and pedestrians.

Amendment This amendment shifts funds in the amount of \$2,340,000 federal and \$585,000 matching funds from Construction phase FY 2021 to Engineering Design Phase FY 2021 and shifts funds in the amount of \$1,260,000 federal and \$315,000 matching funds from Construction phase FY 2021 to Planning Phase FY 2021 in FY 2021-2024 TIP . There is no change to total funding amount to the FY 2021-2024 TIP. The funds shifted to the engineering phase and planning phase will be utilized for the **Traffic Signal Timing Optimization** project.

Connection to Long-Range Transportation Planning Goals:

- 2.B Improve and Maintain the Existing Infrastructure -- Replace traffic signals and ITS elements.
- 4.D Increase Mobility -- Apply mobility-related management and operations techniques.
- 5.D Conserve and Enhance the Environment -- Reduce greenhouse gas emissions in accordance with state and local sustainability and climate change plans.





Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements

(Funding in Thousands)

Surface Transportation Block Grant Program

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$10,080 \$13,680	\$2,520 \$3,420	\$0	\$0	\$0	\$0	\$0	\$0	\$12,600 \$17,100
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$2,340 \$0	\$565 \$0	\$0	\$0	\$0	\$0	\$0	\$0	2,925 \$0
PL	\$1,260 \$0	\$315 \$0	\$0	\$0	\$0	\$0	\$0	\$0	1,575 \$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$13,680	\$3,420	\$0	\$0	\$0	\$0	\$0	\$0	\$17,100
Total	\$13,680	\$3,420	\$0	\$0	\$0	\$0	\$0	\$0	\$17,100